

SUSUMU Current Sensing Chip Resistors

KRL SERIES

The new series, KRL series, will extend the resistance range from the existing RL/PRL series down to 1mΩ. KRL series have also improved TCR that is as low as +/-50 ppm/oC. The new KRL series are targeted for the latest improved amplifiers that control small amounts of current and are sensitive to small changes of voltage. KRL series will make the current sensing resolution significantly higher than before.

Features:

- No hot Spots
- Low ESL (low noise)
- Low TCR 50ppm
- High operating temperature up to 170C
- Face down mounting offers accurate sensing and higher reliability (no cracking issues)

Figure 1

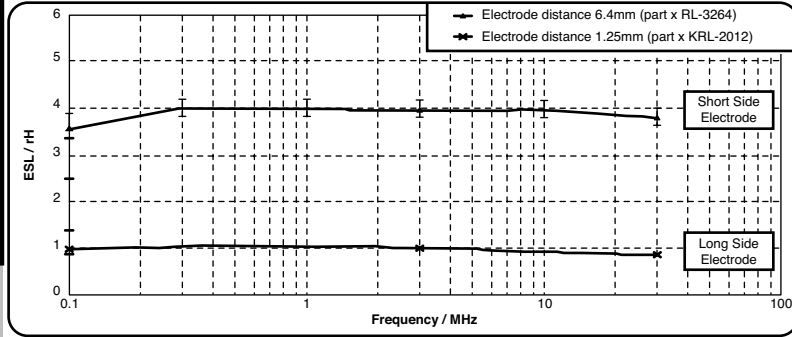
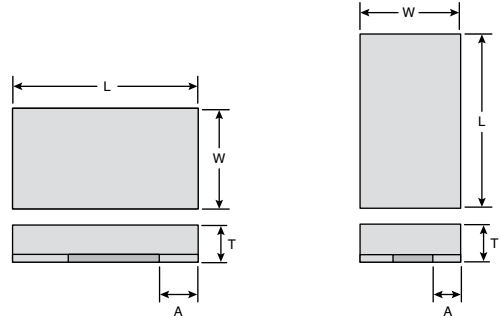
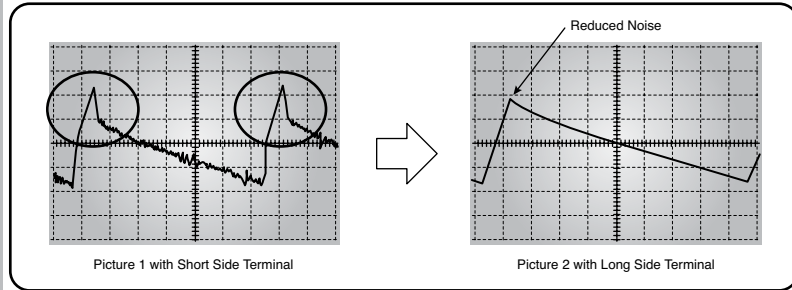


Figure 2



Short-side terminal

Long-side terminal

Dimensions: (mm)	KRL3264	KRL3216	KRL7638
L	6.3 ± 0.20	3.2 ± 0.20	7.6 ± 0.20
W	3.1 ± 0.20	1.6 ± 0.20	3.8 ± 0.20
T	0.5 ± 0.20	0.5 ± 0.20	0.5 ± 0.20
A (5.0~7.0mΩ)	1.90 ± 0.20	0.6 ± 0.20	1.35 ± 0.20
A (1mΩ)	1.0 ± 0.20	0.4 ± 0.20	0.6 ± 0.20
A (2mΩ)	1.0 ± 0.20	0.3 ± 0.20	0.6 ± 0.20
A (3mΩ~)	1.0 ± 0.20	0.3 ± 0.20	0.6 ± 0.20

*Insert Value Code from Table of Stocked Values

For quantities of 250 and up, call for quote.

Size	MOUSER STOCK NO.		Susumu Part No.	Resistance (ohms)	Tolerance	Power Rating	Temperature Coefficient	Price Each		
	Value	Suffix						1	10	100
1206	754-KRL3216CCodeJ-T1		KRL3216-C-Code-J-T1	0.001	5%	1W	150ppm			
1206	754-KRL3216CCodeG-T1		KRL3216-C-Code-G-T1	0.002	2%	1W	100ppm			
1206	754-KRL3216CCodeF-T1		KRL3216-C-Code-F-T1	0.003- 0.004	1%	1W	50ppm			
2512	754-KRL3264CCodeG-T1		KRL3264-C-Code-G-T1	0.005- 0.09	2%	1W	100ppm			
2512	754-KRL3264CCodeF-T1		KRL3264-C-Code-F-T1	0.01- 0.1	1%	1W	100ppm			
3015	754-KRL7638CCodeJ-T1		KRL7638-C-Code-J-T1	0.001	5%	3W	150ppm			
3015	754-KRL7638CCodeG-T1		KRL7638-C-Code-G-T1	0.002	2%	3W	100ppm			
3015	754-KRL7638CCodeF-T1		KRL7638-C-Code-F-T1	0.003- 0.05	1%	3W	50ppm			

TABLE OF STOCKED VALUES

Value	Value Code *	Case Size			Value	Value Code *	Case Size			Value	Value Code *	Case Size		
		1206	2512	3015			1206	2512	3015			1206	2512	3015
R001	0.001	X		X	R013	0.013		X		R043	0.043		X	
R002	0.002	X		X	R015	0.015		X	X	R047	0.047		X	
R003	0.003	X		X	R016	0.016		X		R050	0.05		X	X
R004	0.004	X		X	R018	0.018		X	X	R051	0.051		X	
R005	0.005		X	X	R020	0.02		X		R056	0.056		X	
R006	0.006		X	X	R022	0.022		X	X	R062	0.062		X	
R007	0.007		X	X	R024	0.024		X		R068	0.068		X	
R008	0.008		X	X	R027	0.027		X	X	R075	0.075		X	
R009	0.009		X	X	R030	0.03		X		R082	0.082		X	
R010	0.01		X	X	R033	0.033		X	X	R091	0.091		X	
R011	0.011		X	X	R036	0.036		X		R100	0.1		X	
R012	0.012		X	X	R039	0.039		X	X					